

Report Name: DATBAS

Date: 26-Mar-1982

Time: 11:25:02

Job Number: 00897

Location Name: #DEFAULT.PRN1

```

*****
*                                     *
*      Report Name:  DATBAS          *
*                                     *
*      Date:  26-Mar-1982           *
*                                     *
*      Time:  11:25:02              *
*                                     *
*      Job Number:  00897           *
*                                     *
*      Location Name:  #DEFAULT.PRN1 *
*                                     *
*                                     *
*                                     *
*****

```

| | | |
|-----|-------|---|
| 421 | LIST | S |
| 422 | TITLE | 'SHEET13 DATA BASE' |
| 423 | LIST | A |
| 424 | NAME | BATBAS |
| 425 | | |
| 426 | XDEF | CASINI, RAHLO, TRAMEZ, TSTBAT |
| 427 | XDEF | WMMST, BOOT7, DQSVCE, DOBINI, APFMH1 |
| 428 | XDEF | JN1ZHS, POKMSK, DRKKEY, RTCLOR, BUFAUR |
| 429 | XDEF | ICCOM1, DSKFMS, DSKUTL, PTIMOT, PDPNT |
| 430 | XDEF | POUFH2, Z1OCH, IDCBAS, ICHIDZ |
| 431 | XDEF | ICDNDZ, ICCOM2, ICSTAZ, ICBALZ, IGBAHZ |
| 432 | XDEF | ICPTLZ, ICPTHZ, ICBL LZ, ICBLHZ, ICAX1Z |
| 433 | XDEF | ITAX2Z, ICSPRZ, ENTVEC, ICIDNO, CIOCHR |
| 434 | XDEF | STATUS, CHKSUM, BUFRLO, BUFRHI, BFENLO |
| 435 | XDEF | BFENHI, CRETRY, DRETRY, BUFRFL, RECVDN |
| 436 | XDEF | XMTDON, CHKSNT, NOCKSM, RPTR, FTYPE |
| 437 | XDEF | FEDF, FREQ, SOUND, CRITIC, FMSZPQ |
| 438 | XDEF | CKEY, CASSBT, DSTAT, ATRACT, DRKMSK |
| 439 | XDEF | COLRSH, TMPCHR, HOLD1, LMARGN, RMARGN |
| 440 | XDEF | ROWCRS, COLCRS, DINDEX, SAVMSC, OL DROW |
| 441 | XDEF | OLDCOL, OLDCHR, OLDADR, NEWROW, NEWCOL |
| 442 | XDEF | LOGCOL, ADDRESS, MLTTPM, OPNTMP, TOADR |
| 443 | XDEF | SAVADR, ERMADE, RAMTOP, BUFCNT, BUFSR |
| 444 | XDEF | BLTMSK, SHFAMT, ROWAG, COLAG, ENDP1 |
| 445 | XDEF | DEL TAR, DELTAC, ROWINC, COLINC, SWPFLG |
| 446 | XDEF | HOLDCH, INSDAT, COUNTR, INTABS, VDSIST |
| 447 | XDEF | VPRCDD, VINTER, VBREAK, VKEYBD, VSERIN |
| 448 | XDEF | VSEROR, VSEROC, VTMR1, VTMR2, VTMR4 |
| 449 | XDEF | VIMIRO, CDTMV1, CDTMV2, CDTMV3, CDTMV4 |
| 450 | XDEF | CDTMV5, VVBLKI, VVBLKD, CDTMA1, CDTMA2 |
| 451 | XDEF | CDTMP3, SRTIMR, CDTMF4, INTEMP, CDTMFS |
| 452 | XDEF | SDMCTL, SDLSTL, SDLSTH, SSKCTL, LPENH |
| 453 | XDEF | LPENV, BRKKY, CDEVIC, CCOMND, CAUX1 |
| 454 | XDEF | CAUX2, TEMP, ERRFLG, DFLAG, DBSECT |
| 455 | XDEF | BOOTAD, GOLDST, DSKTIM, ENBUE SPRIOR |
| 456 | XDEF | PADDLO, PADDL1, PADDL2, PADDL3, PADDL4 |
| 457 | XDEF | PADDL5, PADDL6, PADDL7, STICK0, STICK1 |
| 458 | XDEF | STICK2, STICK3, PTRICO, PTRIG1, PTRIG2 |
| 459 | XDEF | PTRIG3, PTRIG4, PTRIG5, PTRIG6, PTRIG7 |
| 460 | XDEF | STRICO, STRIG1, STRIG2, STRIG3 |
| 461 | XDEF | WHODE, BLIM, IMASK, JVECK, TXTROW |
| 462 | XDEF | TXTCOL, TINDEX, TXIMSC, TXTOLD |
| 463 | XDEF | HOLD3, SUBTMP, HOLD2, DMASK, TEMPL1 |
| 464 | XDEF | ESCFLG, TABMAP, LOGMAP, INVFLG, FILFLG |
| 465 | XDEF | THPROW, TMPCOL, SCRFLG, HOLD4 |
| 466 | XDEF | SHFLG, BOTSCR, PCOLOR, PCOLR1, PCOLR2 |
| 467 | XDEF | PCOLR3, COLONO, COLOR1, COLOR2, COLONO |
| 468 | XDEF | COLOR4, RAMSIZ, MEMTOP, MEMLO |
| 469 | XDEF | DVSTAT, CBAUDL, CBAUDH, CRSINH, KEYQBL |
| 470 | XDEF | CHI, CHACT, CHBAS, CHAR, ATACHR |
| 471 | XDEF | CH, FJLDAT, DSPFLG, SSFLAG, DCI |
| 472 | XDEF | DDEVIC, DUNIT, DCOMND, DRATS, DRUFLG |
| 473 | XDEF | DRUFH1, DTIMLO, DUNUSE, DRYTLO, DBYTH1 |
| 474 | XDEF | DAUX1, DAUX2, TIMR1, CABFLO |

```

475 XDEF TIMER2,TEMP1,TEMP3,SAVIO
476 XDEF TIMFLG,STACKP,TSTAT,HATABB,IOCB
477 XDEF ICHID,ICDNO,ICCOM,ICSTA,ICBAL
478 XDEF ICBAH,ICPTL,ICPTH,ICBL,ICBLH
479 XDEF ICAX1,ICAX2,ICSPR,PRNBUF,CASBUF
480 XDEF USAREA,ABUFPT,PALNTS,JMPERS
481 XDEF LCOUNT,RELADR,RELEN,HIBYTE
482 XDEF NEWADR,RUNADR,HIUSED,ZHIUSE
483 XDEF GBYTEA,LOADAD,ZLOADA,LTEMP
484 XDEF DSCTLN,ACMISR,KRPDEL,KEYREP
485 XDEF NOCLIK,HELPG,DMASAV,LNFLG
486 XDEF PARMBL,OLDPAR,KEYDEF,FKDEF
487 XDEF ZCHAIN,HNDLDD,TEMP2,CHLINK
488 XDEF GINTLK,MINTLK,ACMVAR,SUPERF
489 XDEF PUPBT1,PUPBT2,PUPBT3,NGFLAG
490 XDEF VSFLAG,KEYDIS,FINE
491
492 ASCT
493 PAGE ZERO RAM ASSIGNMENTS
494
495 *=$0000
496 0000 LNFLG RES 1
497 0001 NGFLAG RES 1 ; 1 = MEMORY OK , 0 = FAILURE
498
499 ; THESE LOCATIONS ARE NOT CLEARED
500 0002 CASINI RES 2 ; CASSETTE INIT LOCATION
501 0004 RAMLO RES 2 ; RAM POINTER FOR MEMORY TEST
502 0006 TRAMSZ RES 1 ; TEMPORARY REGISTER FOR RAM SIZE
503 0007 TSTDAT RES 1 ; RAM TEST DATA REGISTER
504
505 ; CLEARED ON COLDSTART ONLY
506 0008 WARMST RES 1 ; WARM START FLAG
507 0009 BOOT? RES 1 ; SUCCESSFUL BOOT FLAG
508 000A DOSVEC RES 2 ; DISK SOFTWARE START VECTOR
509 000C DOSINI RES 2 ; DISK SOFTWARE INIT ADDRESS
510 000E APPMHI RES 2 ; APPLICATIONS MEMORY HI LIMIT
511
512 ; CLEARED ON COLD OR WARM START
513 0010 INTZBS == ; INTERRUPT HANDLER
514 0010 POKMSK RES 1 ; SYSTEM MASK FOR POKEY IRQ ENABLE
515 0011 BRKKEY RES 1 ; BREAK KEY FLAG
516 0012 RTCLOCK RES 3 ; REAL TIME CLOCK (IN 16 MSEC UNITS)
517
518 0015 BUFADR RES 2 ; INDIRECT BUFFER ADDRESS REGISTER
519
520 0017 ICCOMT RES 1 ; COMMAND FOR VECTOR
521
522 0018 DSKFMS RES 2 ; DISK FILE MANAGER POINTER
523 001A DSKUTL RES 2 ; DISK UTILITIES POINTER
524
525 001C ABUFPT RES 4 ; ACMI BUFFER POINTER VARIABLES
526
527 0020 ZIOCB == ; ZERO PAGE I/O CONTROL BLOCK
528 0020 IOCBAS ==

```


| | | | | | |
|-----|------|---------|-----|----------|--|
| 529 | 0030 | ICHIID | RES | 1 | / HANDLER INDEX NUMBER (FF = IOCB FREE) |
| 530 | 0021 | ICDNOZ | RES | 1 | / DEVICE NUMBER (DRIVE NUMBER) |
| 531 | 0022 | ICCOMZ | RES | 1 | / COMMAND CODE |
| 532 | 0023 | ICSTAZ | RES | 1 | / STATUS OF LAST IOCB ACTION |
| 533 | 0024 | ICBALZ | RES | 1 | / BUFFER ADDRESS LOW BYTE |
| 534 | 0025 | ICBAHZ | RES | 1 | |
| 535 | 0026 | ICPTLZ | RES | 1 | / PUT BYTE ROUTINE ADDRESS - 1 |
| 536 | 0027 | ICPTHZ | RES | 1 | |
| 537 | 0028 | ICDLLZ | RES | 1 | / BUFFER LENGTH LOW BYTE |
| 538 | 0029 | ICBLHZ | RES | 1 | |
| 539 | 002A | ICAX1Z | RES | 1 | / AUXILIARY INFORMATION FIRST BYTE |
| 540 | 002B | ICAX2Z | RES | 1 | |
| 541 | 002C | ICSPRZ | RES | 4 | / TWO SPARE BYTES (CIO LOCAL USE) |
| 542 | 002C | ENTVEC | = | ICSPRZ+0 | |
| 543 | 002E | ICIDNO | = | ICSPRZ+2 | / IOCB NUMBER X 16 |
| 544 | 002F | ICIOCHR | = | ICSPRZ+3 | / CHARACTER BYTE FOR CURRENT OPERATION |
| 545 | | | | | |
| 546 | 0030 | STATUS | RES | 1 | / INTERNAL STATUS STORAGE |
| 547 | 0031 | CHKSUM | RES | 1 | / CHECKSUM (SINGLE BYTE SUM WITH CARRY) |
| 548 | 0032 | BUFRLO | RES | 1 | / POINTER TO DATA BUFFER (LO BYTE) |
| 549 | 0033 | BUFRHI | RES | 1 | / POINTER TO DATA BUFFER (HI BYTE) |
| 550 | 0034 | BFENLO | RES | 1 | / NEXT BYTE PAST END OF THE DATA BUFFER (LO B) |
| 551 | 0035 | BFENHI | RES | 1 | / NEXT BYTE PAST END OF THE DATA BUFFER (HI B) |
| 552 | 0036 | LTEMP | RES | 2 | / RELOCATING LOADER TEMPORARY |
| 553 | 0038 | BUFRFL | RES | 1 | / DATA BUFFER FULL FLAG |
| 554 | 0039 | RECVDN | RES | 1 | / RECEIVE DONE FLAG |
| 555 | 003A | XMTDON | RES | 1 | / TRANSMIT DONE FLAG |
| 556 | 003B | CHKSENT | RES | 1 | / CHECKSUM SENT FLAG |
| 557 | 003C | NOCKSM | RES | 1 | / NO CHECKSUM FOLLOWS DATA |
| 558 | | | | | |
| 559 | | | | | |
| 560 | 003D | BPTR | RES | 1 | |
| 561 | 003E | FTYPE | RES | 1 | |
| 562 | 003F | FEOF | RES | 1 | |
| 563 | 0040 | FREQ | RES | 1 | |
| 564 | 0041 | SOUNDR | RES | 1 | / NOISY I/O FLAG (ZERO IS QUIET) |
| 565 | 0042 | CRITIC | RES | 1 | / DEFINES CRITICAL SECTION (CRITICAL IF NON-Z) |
| 566 | | | | | |
| 567 | 0043 | FMSZPG | RES | 7 | / DISK FILE MANAGER SYSTEM ZERO PAGE |
| 568 | | | | | |
| 569 | | | | | |
| 570 | 004A | ZCHAIN | RES | 2 | |
| 571 | 004C | DSTAT | RES | 1 | / DISPLAY STATUS |
| 572 | | | | | |
| 573 | 004D | ATRACT | RES | 1 | / ATRACT FLAG |
| 574 | 004E | DRKMSK | RES | 1 | / DARK ATRACT MASK |
| 575 | 004F | COLRSH | RES | 1 | / ATRACT COLOR SHIFTER (EOR'ED WITH PLAYFIELD) |
| 576 | | | | | |
| 577 | 0050 | TMPCHR | RES | 1 | |
| 578 | 0051 | HOLD1 | RES | 1 | |
| 579 | 0052 | LMARGN | RES | 1 | / LEFT MARGIN (SET TO 2 AT POWER ON) |
| 580 | 0053 | RMARGN | RES | 1 | / RIGHT MARGIN (SET TO 39 AT POWER ON) |
| 581 | 0054 | ROWCRS | RES | 1 | / CURSOR COUNTERS |
| 582 | 0055 | COLCRS | RES | 2 | |

ERR LINE ADDR B1 B2 B3 B4

SWEET16 DATA BASE

PAGE 4

| | | | | | |
|-----|------|---------|---------|---|---|
| 583 | 0057 | DINDEX | RES | 1 | |
| 584 | 0058 | SAVMS | RES | 2 | |
| 585 | 005A | OLDROW | RES | 1 | |
| 586 | 005B | OLDCOL | RES | 2 | |
| 587 | 005D | OLDCHR | RES | 1 | |
| 588 | 005E | OLDADR | RES | 2 | DATA UNDER CURSOR |
| 589 | 0060 | FKDEF | RES | 2 | |
| 590 | 0062 | PALNTS | RES | 1 | POINTER TO FUNCTION KEY DEF TABLE |
| 591 | 0063 | LOGCOL | RES | 1 | 0 = NTSC, 1 = PAL |
| 592 | 0064 | ADDRESS | RES | 2 | POINTS AT COLUMN IN LOGICAL LINE |
| 593 | 0066 | MLTTP | RES | 2 | |
| 594 | 0066 | OPNTMP | MLTTP | | |
| 595 | 0066 | TOADR | MLTTP | | FIRST BYTE IS USED IN OPEN AS TEMP |
| 596 | 006B | SAVADR | RES | 2 | |
| 597 | 006B | FRMADR | SAVADR | | |
| 598 | 006A | RAMTOP | RES | 1 | |
| 599 | 006B | BUFCNT | RES | 1 | RAM SIZE DEFINED BY POWER ON LOGIC |
| 600 | 006C | BUFSTR | RES | 2 | BUFFER COUNT |
| 601 | 006E | BITMSK | RES | 1 | EDITOR GETCH POINTER |
| 602 | 006F | BHFAMT | RES | 1 | BIT MASK |
| 603 | 0070 | ROWAC | RES | 2 | |
| 604 | 0072 | COLAC | RES | 2 | |
| 605 | 0074 | ENDPT | RES | 2 | |
| 606 | 0076 | DELTAR | RES | 1 | |
| 607 | 0077 | DELTAC | RES | 2 | |
| 608 | 0079 | KEYDEF | RES | 2 | POINTER TO KEY DEF TABLE |
| 609 | 007B | SWPFLG | RES | 1 | NON-0 IF TXT AND REGULAR RAM IS SWAPPED |
| 610 | 007C | HOLDCH | RES | 1 | CH IS MOVED HERE IN KGETCH BEFORE CNTL & SH |
| 611 | 007D | INSDAT | RES | 1 | |
| 612 | 007E | COUNTR | RES | 2 | |
| 613 | | | | | |
| 614 | | | | | |
| 615 | | | | | |
| 616 | | | | | |
| 617 | | | | | |
| 618 | | | | | |
| 619 | | | | | |
| 620 | | | | | |
| 621 | | | | | |
| 622 | | | | | |
| 623 | | | | | |
| 624 | | | | | |
| 625 | | | | | |
| 626 | | | | | |
| 627 | | | | | |
| 628 | | | | | |
| 629 | | | | | |
| 630 | | | | | |
| 631 | | | | | |
| 632 | | | | | |
| 633 | | | | | |
| 634 | | | | | |
| 635 | | | | | |
| 636 | 0200 | INTAB | **40200 | | INTERRUPT RAM |

80 - FF ARE RESERVED FOR USER APPLICATIONS

NOTE : SEE FLOATING POINT SUBROUTINE AREA FOR ZERO PAGE CELLS

PAGE 1 - STACK

PAGE TWO RAM ASSIGNMENTS

ASCT

**40200

INTERRUPT RAM

| | | | | | |
|-----|------|--------|-----|---|---|
| 637 | 0200 | VDSLST | RES | 2 | DISPLAY LIST NMI VECTOR |
| 638 | 0202 | VPRCD | RES | 2 | PROCEED LINE IRQ VECTOR |
| 639 | 0204 | VINTR | RES | 2 | INTERRUPT LINE IRQ VECTOR |
| 640 | 0206 | VEREAK | RES | 2 | SOFTWARE BREAK 1001 INSTRUCTION IRQ VECTOR |
| 641 | 0208 | VKEYBD | RES | 2 | POKEY KEYBOARD IRQ VECTOR |
| 642 | 020A | VSERIN | RES | 2 | POKEY SERIAL INPUT READY IRQ |
| 643 | 020C | VSERDR | RES | 2 | POKEY SERIAL OUTPUT READY IRQ |
| 644 | 020E | VSEROC | RES | 2 | POKEY SERIAL OUTPUT COMPLETE IRQ |
| 645 | 0210 | VTIMR1 | RES | 2 | POKEY TIMER 1 IRQ |
| 646 | 0212 | VTIMR2 | RES | 2 | POKEY TIMER 2 IRQ |
| 647 | 0214 | VTIMR4 | RES | 2 | POKEY TIMER 4 IRQ |
| 648 | 0216 | VIMIRG | RES | 2 | IMMEDIATE IRQ VECTOR |
| 649 | 0218 | CDTMV1 | RES | 2 | COUNT DOWN TIMER 1 |
| 650 | 021A | CDTMV2 | RES | 2 | COUNT DOWN TIMER2 |
| 651 | 021C | CDTMV3 | RES | 2 | COUNT DOWN TIMER 3 |
| 652 | 021E | CDTMV4 | RES | 2 | COUNT DOWN TIMER 4 |
| 653 | 0220 | CDTMV5 | RES | 2 | COUNT DOWN TIMER 5 |
| 654 | 0222 | VVBK1 | RES | 2 | IMMEDIATE VERTICAL BLANK NMI VECTOR |
| 655 | 0224 | VVBK1D | RES | 2 | DEFERRED VERTICAL BLANK NMI VECTOR |
| 656 | 0226 | CDTMA1 | RES | 2 | COUNT DOWN TIMER 1 JSR ADDRESS |
| 657 | 0228 | CDTMA2 | RES | 2 | COUNT DOWN TIMER 2 JSR ADDRESS |
| 658 | 022A | CDTMF3 | RES | 1 | COUNT DOWN TIMER 3 FLAG |
| 659 | 022B | SRTIMR | RES | 1 | SOFTWARE REPEAT TIMER |
| 660 | 022C | CDTMF4 | RES | 1 | COUNT DOWN TIMER 4 FLAG |
| 661 | 022D | INTMP | RES | 1 | IAN'S TEMP (RENAMED FROM T1 BY POPULAR DEMA |
| 662 | 022E | CDTMF5 | RES | 1 | COUNT DOWN TIMER FLAG 5 |
| 663 | 022F | SDMCTL | RES | 1 | SAVE DMACTL REGISTER |
| 664 | 0230 | SDLSTL | RES | 1 | SAVE DISPLAY LIST LOW BYTE |
| 665 | 0231 | SDLSTH | RES | 1 | SAVE DISPLAY LIST HI BYTE |
| 666 | 0232 | SSKCTL | RES | 1 | SKCTL REGISTER RAM |
| 667 | 0233 | LCOUNT | RES | 1 | LOADER RECORD LENGTH COUNTER |
| 668 | | | | | |
| 669 | 0234 | LPENH | RES | 1 | LIGHT PEN HORIZONTAL VALUE |
| 670 | 0235 | LPENV | RES | 1 | LIGHT PEN VERTICAL VALUE |
| 671 | 0236 | BRKKY | RES | 2 | BREAK KEY VECTOR |
| 672 | | | | | |
| 673 | 0238 | RELADR | RES | 2 | LOADER ADDRESS VARIABLE |
| 674 | | | | | |
| 675 | 023A | CDEVIC | RES | 1 | COMMAND FRAME BUFFER - DEVICE |
| 676 | 023B | CCOMND | RES | 1 | COMMAND |
| 677 | 023C | CAUX1 | RES | 1 | COMMAND AUX BYTE 1 |
| 678 | 023D | CAUX2 | RES | 1 | COMMAND AUX BYTE 2 |
| 679 | | | | | NOTE: MAY NOT BE THE LAST WORD ON A PAGE |
| 680 | 023E | TEMP | RES | 1 | TEMPORARY RAM CELL |
| 681 | | | | | NOTE: MAY NOT BE THE LAST WORD ON A PAGE |
| 682 | 023F | ERRFLG | RES | 1 | ERROR FLAG - ANY DEVICE ERROR EXCEPT TIME 0 |
| 683 | | | | | |
| 684 | 0240 | DFLAGS | RES | 1 | DISK FLAGS FROM SECTOR ONE |
| 685 | 0241 | DBSECT | RES | 1 | NUMBER OF DISK BOOT SECTORS |
| 686 | 0242 | BOOTAD | RES | 2 | ADDRESS WHERE DISK BOOT LOADER WILL BE PUT |
| 687 | 0244 | COLDST | RES | 1 | COLDSTART FLAG (1=IN MIDDLE OF COLDSTART) |
| 688 | | | | | |
| 689 | 0245 | RECLEN | RES | 1 | LOADER RECORD LENGTH |
| 690 | | | | | |

ERR LINE ADDR D1 D2 D3 D4

SWEET16 DATA BASE

PAGE 6

| | | | | | | |
|-----|------|--------|-----|-------|---|---|
| 691 | 0246 | OSKTIM | RES | 1 | DISK TIME OUT REGISTER | |
| 692 | | | | | | |
| 693 | 0247 | LINBUF | RES | 40-37 | CHAR LINE BUFFER | *** SPARES *** |
| 694 | | | | | | |
| 695 | 025F | GPRIOR | RES | 1 | GLOBAL PRIORITY CELL | VSFLAG: .RES 1 ; FINE VERTICAL SCROLL COUNT |
| 696 | | | | | | KEYDIS: .RES 1 ; KEYBOARD DISABLE |
| 697 | 0270 | PADDLO | RES | 1 | POTENTIOMETER 0 RAM CELL | FINE: .RES 1 ; FINE SCROLLING MODE |
| 698 | 0271 | PADDL1 | RES | 1 | | |
| 699 | 0272 | PADDL2 | RES | 1 | | |
| 700 | 0273 | PADDL3 | RES | 1 | | |
| 701 | 0274 | PADDL4 | RES | 1 | | |
| 702 | 0275 | PADDL5 | RES | 1 | | |
| 703 | 0276 | PADDL6 | RES | 1 | | |
| 704 | 0277 | PADDL7 | RES | 1 | | |
| 705 | 0278 | STICK0 | RES | 1 | JOYSTICK 0 RAM CELL | |
| 706 | 0279 | STICK1 | RES | 1 | | |
| 707 | 027A | STICK2 | RES | 1 | | |
| 708 | 027B | STICK3 | RES | 1 | | |
| 709 | 027C | PTRIG0 | RES | 1 | PADDLE TRIGGER 0 | |
| 710 | 027D | PTRIG1 | RES | 1 | | |
| 711 | 027E | PTRIG2 | RES | 1 | | |
| 712 | 027F | PTRIG3 | RES | 1 | | |
| 713 | 0280 | PTRIG4 | RES | 1 | | |
| 714 | 0281 | PTRIG5 | RES | 1 | | |
| 715 | 0282 | PTRIG6 | RES | 1 | | |
| 716 | 0283 | PTRIG7 | RES | 1 | | |
| 717 | 0284 | STRIG0 | RES | 1 | JOYSTICK TRIGGER 0 | |
| 718 | 0285 | STRIG1 | RES | 1 | | |
| 719 | 0286 | STRIG2 | RES | 1 | | |
| 720 | 0287 | STRIG3 | RES | 1 | | |
| 721 | | | | | | |
| 722 | 0288 | HIBYTE | RES | 1 | LOADER HIGH BYTE VALUE | |
| 723 | 0289 | WMODE | RES | 1 | | |
| 724 | 028A | BLIM | RES | 1 | | |
| 725 | 028B | IMASK | RES | 1 | | |
| 726 | 028C | JVECK | RES | 2 | | |
| 727 | | | | | | |
| 728 | 028E | NEWADR | RES | 2 | LOADER ADDRESS VARIABLE | |
| 729 | | | | | | |
| 730 | | | | | | |
| 731 | | | | | | |
| 732 | | | | | | |
| 733 | 029D | TXTRW | RES | 1 | TEXT ROWCRS | |
| 734 | 029E | TXTCOL | RES | 2 | TEXT COLCRS | |
| 735 | 029F | TINDEX | RES | 1 | TEXT INDEX | |
| 736 | 029A | TXTMSC | RES | 2 | FOOLS CONVRT INTO NEW MSC | |
| 737 | 029B | TXTOLD | RES | 6 | OLDROW, OLD COL, OLDCHR & OLDADR FOR TEXT | |
| 738 | 029C | CRETRY | RES | 1 | # OF COMMAND FRAME RETRIES | |
| 739 | 029D | HOLD3 | RES | 1 | | |
| 740 | 029E | SUBTMP | RES | 1 | | |
| 741 | 029F | HOLD2 | RES | 1 | | |
| 742 | 02A0 | DMASK | RES | 1 | | |
| 743 | 02A1 | TMPLBT | RES | 1 | | |
| 744 | 02A2 | ESCFLO | RES | 1 | ESCAPE FLAG | |

| | | | | | |
|-----|------|--------|-----|----|---|
| 745 | 02A3 | TABMAP | RES | 13 | |
| 746 | 02B2 | LDGMAP | RES | 4 | |
| 747 | 02B6 | INVFLG | RES | 1 | LOGICAL LINE START BIT MAP |
| 748 | 02B7 | FILFLG | RES | 1 | INVERSE VIDEO FLAG (TOGGLED BY ATARI KEY) |
| 749 | 02B8 | TMPROW | RES | 1 | RIGHT FILL FLAG FOR DRAW |
| 750 | 02B9 | TMPCOL | RES | 2 | |
| 751 | 02BB | SCRFLG | RES | 1 | SET IF SCROLL OCCURS |
| 752 | 02BC | HOLD4 | RES | 1 | TEMP CELL USED IN DRAW ONLY |
| 753 | 02BD | DRETRY | RES | 1 | # OF DEVICE RETRIES |
| 754 | 02BE | SHFLOK | RES | 1 | |
| 755 | 02BF | BOTSCR | RES | 1 | BOTTOM OF SCREEN 24 NORM 4 SPLIT |
| 756 | | | | | |
| 757 | | | | | |
| 758 | 02C0 | PCOLOR | RES | 1 | P0 COLOR |
| 759 | 02C1 | PCOLR1 | RES | 1 | P1 COLOR |
| 760 | 02C2 | PCOLR2 | RES | 1 | P2 COLOR |
| 761 | 02C3 | PCOLR3 | RES | 1 | P3 COLOR |
| 762 | 02C4 | COLOR0 | RES | 1 | COLOR 0 |
| 763 | 02C5 | COLOR1 | RES | 1 | |
| 764 | 02C6 | COLOR2 | RES | 1 | |
| 765 | 02C7 | COLOR3 | RES | 1 | |
| 766 | 02C8 | COLOR4 | RES | 1 | |
| 767 | | | | | |
| 768 | | | | | |
| 769 | 02C9 | PARMBL | = | * | |
| 770 | 02C9 | RUNADR | RES | 2 | LOADER PARAMETER BLOCK |
| 771 | 02CB | HIUSED | RES | 2 | " " " |
| 772 | 02CD | ZHIUSE | RES | 2 | " " " |
| 773 | 02CF | OLDPAR | = | * | |
| 774 | 02CF | GBYTEA | RES | 2 | LOADER PARAMETERS |
| 775 | 02D1 | LOADAD | RES | 2 | " " |
| 776 | 02D3 | ZLOADA | RES | 2 | " " |
| 777 | 02D5 | DSCTLN | RES | 2 | DISK SECTOR LENGTH |
| 778 | 02D7 | ACMISR | RES | 2 | ACMI INT SERVICE ADDR |
| 779 | 02D9 | KRPDEL | RES | 1 | AUTO REPEAT DELAY |
| 780 | 02DA | KEYREP | RES | 1 | AUTO REPEAT RATE |
| 781 | 02DB | NOCLIK | RES | 1 | KEY CLICK DISABLE FLAG |
| 782 | 02DC | HELPPG | RES | 1 | HELP KEY FLAG |
| 783 | 02DD | DMASAV | RES | 1 | SDMCTL SAVE/RESTORE |
| 784 | 02DE | PBPNT | RES | 1 | PRINT BUFFER POINTER |
| 785 | 02DF | PBUFSZ | RES | 1 | PRINT BUFFER SIZE |
| 786 | | | | | |
| 787 | | | | | |
| 788 | | | | | |
| 789 | | | | | |
| 790 | 02E0 | | RES | 4 | DOS |
| 791 | | | | | |
| 792 | 02E4 | RAMSIZ | RES | 1 | RAM SIZE (HI BYTE ONLY) |
| 793 | 02E5 | MEMTOP | RES | 2 | TOP OF AVAILABLE USER MEMORY |
| 794 | 02E7 | MEMLO | RES | 2 | BOTTOM OF AVAILABLE USER MEMORY |
| 795 | 02E9 | HNDLOD | RES | 1 | USER LOAD FLAG |
| 796 | 02EA | DVSTAT | RES | 4 | STATUS BUFFER |
| 797 | 02EE | CBAUDL | RES | 1 | CASSETTE BAUD RATE LOW BYTE |
| 798 | 02EF | CBAUDH | RES | 1 | |

```

799
800 02F0 CURINH: RES 1 ;CURSOR INHIBIT (00 = CURSOR ON)
801 02F1 KEYDEL: RES 1 ;KEY DELAY
802 02F2 CH1: RES 1
803
804 02F3 CHACTL: RES 1 ;CHACTL REGISTER RAM
805 02F4 CHBAS: RES 1 ;CHBAS REGISTER RAM
806
807 02F5 NEWROW: RES 1 ;POINT DRAW GOES TO
808 02F6 NEWCOL: RES 2
809 02F8 ROWINC: RES 1 ;DRAW LINE INCREMENTS
810 02F9 COLINC: RES 1
811
812 02FA CHAR: RES 1
813 02FB ATACHR: RES 1 ;ATASCII CHARACTER
814 02FC CH: RES 1 ;GLOBAL VARIABLE FOR KEYBOARD
815 02FD FILDAT: RES 1 ;RIGHT FILL DATA (DRAW)
816 02FE DSPFLG: RES 1 ;DISPLAY FLAG ; DISPLAY CNTLS IF NON-ZERO
817 02FF SSFLAG: RES 1 ;START/STOP FLAG FOR PAGING (CNTL 1) CLEAR
818
819
820
821
822
823
824
825
826
827
828 0300 DCB: RES 1 ;DEVICE CONTROL BLOCK
829 0301 DDEVIC: RES 1 ;PERIPHERAL UNIT 1 BUS I.D. NUMBER
830 0302 DUNIT: RES 1 ;UNIT NUMBER
831 0303 DCOMND: RES 1 ;BUS COMMAND
832 0304 DSTAT: RES 1 ;COMMAND TYPE/STATUS RETURN
833 0305 DBUFLO: RES 1 ;DATA BUFFER POINTER LOW BYTE
834 0306 DBUFHI: RES 1
835 0307 DTIMLO: RES 1 ;DEVICE TIME OUT IN 1 SECOND UNITS
836 0308 DUNUSE: RES 1 ;UNUSED BYTE
837 0309 DBYTLO: RES 1 ;NUMBER OF BYTES TO BE TRANSFERRED LOW BYTE
838 030A DBYTHI: RES 1
839 030B DAUX1: RES 1 ;COMMAND AUXILIARY BYTE 1
840 030B DAUX2: RES 1
841
841 030C TIMER1: RES 2 ;INITIAL TIMER VALUE
842 030E JMPERS: RES 1 ;JUMPER OPTIONS
843 030F CASFLG: RES 1 ;CASSETTE MODE WHEN SET
844 0310 TIMER2: RES 2 ;FINAL TIMER VALUE THESE TWO TIMER VALUES
845 ; ARE USED TO COMPUTE INTERVAL FOR BAUD RATE
846 0312 TEMP1: RES 2 ;TEMPORARY STORAGE REGISTER (CASSH & HNDLDD)
847 0313 TEMP2: = TEMP1+1
848 0314 PTIMOT: RES 1 ;PRINTER TIMEOUT
849 0315 TEMP3: RES 1 ;TEMPORARY STORAGE REGISTER
850 0316 SAVIO: RES 1 ;SAVE SERIAL IN DATA PORT
851 0317 TIMFLG: RES 1 ;TIME OUT FLAG FOR BAUD RATE CORRECTION
852 0318 STACKP: RES 1 ;SID STACK POINTER SAVE CELL

```

PAGE THREE RAM ASSIGNMENTS

| | | | | | |
|-----|------|--------|-----|---------------|---------------------------------------|
| 853 | 0319 | TSTAT | RES | 1 | TEMPORARY STATUS HOLD |
| 854 | | | | | |
| 855 | | | | | |
| 856 | | | | | |
| 857 | 031A | HATABS | RES | MAXDEV+2 | HANDLER ADDRESS TABLE |
| 858 | 031B | PUPBT1 | RES | 1 | POWER-UP |
| 859 | 031C | PUPBT2 | RES | 1 | VALIDATION |
| 860 | 031F | PUPBT3 | RES | 1 | BYTES |
| 861 | | | | | |
| 862 | | | | | |
| 863 | | | | | |
| 864 | | | | | |
| 865 | 0340 | IOCB | ORG | * | I/O CONTROL BLOCKS |
| 866 | 0341 | IOCHD | RES | 1 | HANDLER INDEX NUMBER (FF = 1000 FREE) |
| 867 | 0342 | ICDNO | RES | 1 | DEVICE NUMBER (DRIVE NUMBER) |
| 868 | 0343 | ICCOM | RES | 1 | COMMAND CODE |
| 869 | 0344 | ICSTA | RES | 1 | STATUS OF LAST IOCB ACTION |
| 870 | 0345 | ICBAL | RES | 1 | BUFFER ADDRESS LOW BYTE |
| 871 | 0346 | ICBAH | RES | 1 | |
| 872 | 0347 | ICPTL | RES | 1 | PUT BYTE ROUTINE ADDRESS - 1 |
| 873 | 0348 | ICPTH | RES | 1 | |
| 874 | 0349 | ICBLH | RES | 1 | BUFFER LENGTH LOW BYTE |
| 875 | 034A | ICAX1 | RES | 1 | AUXILIARY INFORMATION FIRST BYTE |
| 876 | 034B | ICAX2 | RES | 1 | |
| 877 | 034C | ICSPR | RES | 4 | FOUR WORK BYTES |
| 878 | | | | | |
| 879 | 0350 | | RES | MAXIOC-IOCBSZ | |
| 880 | | | | | |
| 881 | 03C0 | PRNBUF | RES | 40 | PRINTER BUFFER |
| 882 | | | | | |
| 883 | 03E8 | SUPERF | RES | 1 | SCREEN EDITOR SUPER FUNCTION |
| 884 | 03E9 | CKEY | RES | 1 | GAME START ON PUP |
| 885 | 03EA | CASSBT | RES | 1 | CASSETTE BOOT FLAG |
| 886 | 03EB | MINTLK | RES | 1 | ACMI MODULE INTERLOCK |
| 887 | 03EC | GINTLK | RES | 1 | GAME CART INTERLOCK |
| 888 | | | | | |
| 889 | | | | | |
| 890 | | | | | |
| 891 | 03ED | ACMVAR | RES | 14 | ACMI MODULE HANDLER VARIABLES |
| 892 | 03FB | CHLINK | RES | 2 | |
| 893 | | | | | |
| 894 | | | | | |
| 895 | 03F7 | VSFLAG | = | ACMVAR+10 | *** TEMPORARY LOCATION *** |
| 896 | 03F8 | KEYDIS | = | VSFLAG+1 | *** TEMPORARY LOCATION *** |
| 897 | 03F9 | FINE | = | KEYDIS+1 | *** TEMPORARY LOCATION *** |
| 898 | | | | | |
| 899 | | | | | |
| 900 | | | | | |
| 901 | | | | | |
| 902 | | | | | |
| 903 | | | | | |
| 904 | | | | | |
| 905 | 03FD | CASBUF | RES | 131 | CASSETTE BUFFER |
| 906 | | | | | |

PAGE FOUR RAM ASSIGNMENTS

ERR LINE ADDR B1 B2 B3 B4

SWEET16 DATA BASE

PAGE 10

907

USER AREA STARTS HERE AND GOES TO END OF PAGE FIVE

908 0480

USAREA RES 128 SPARE

909

910

911

912

913

914

915

916

917

PAGE FIVE RAM ASSIGNMENTS

918

PAGE FIVE IS RESERVED AS A USER WORK SPACE

919

920

NOTE SEE FLOATING POINT SUBROUTINE AREA FOR PAGE FIVE CELLS

921

922

923

PAGE SIX RAM ASSIGNMENTS

924

925

PAGE SIX IS RESERVED AS A USER'S USER WORK SPACE

926

927 0500

END

ASSEMBLY ERRORS = 0

SYMBOL TABLE

| | | | | | | | |
|---------|------|--------|------|--------|------|--------|------|
| ABUFMT | 001C | ACK | 0041 | ACHISR | 00D7 | ACMVAR | 00ED |
| ADDRESS | 006A | ALLPOT | 020B | AMPLAQ | 07FF | AMINIT | 07FA |
| AMISRA | 07FA | AMNAME | 07F9 | AMVTAD | 07EA | ANTIC | 0400 |
| APPEND | 0001 | APPNMT | 000E | ATACHR | 02FB | ATRACT | 0040 |
| AUDCI | 0201 | AUDC2 | 0203 | AUDC3 | 0203 | AUDC4 | 0207 |
| AUDCTL | 020B | AUDF1 | 0200 | AUDF2 | 0202 | AUDF3 | 0204 |
| AUDF4 | 0204 | B192H1 | 0000 | B192L0 | 002B | B600H1 | 0003 |
| B600L0 | 00CC | BADIDC | 00B6 | BADMD0 | 0091 | BEEPN | 000A |
| BEEPN | 000B | BEEPNN | 001E | BEEPNP | 0019 | BFENHI | 0035 |
| BFENL0 | 0034 | BJTMSK | 006E | BLIM | 02BA | BOOTAD | 0242 |
| BOOTY | 0009 | BTSCR | 02BF | BPTR | 003D | BRKABT | 00B0 |
| BRMAEY | 0011 | BRKKY | 0236 | BUFADR | 0015 | BUFCNT | 006B |
| BUFRFL | 003B | BUFRHI | 0033 | BUFRLO | 0032 | BUFSTR | 006C |
| GART | BFFC | GARTAD | BFFE | CARTCS | BFFA | CARTFG | BFFD |
| CASBUF | 03FD | CASET | 0060 | CASFLG | 030F | CASINI | 0002 |
| CASBPT | 03EA | CASSET | 0043 | CAUX1 | 023C | CAUX2 | 023D |
| CBAUDH | 02EF | CBAUDL | 02EE | CCOMND | 023B | CDEVIC | 023A |
| CDTMA1 | 0226 | CDTMA2 | 0228 | CDTMF3 | 022A | CDTMF4 | 022C |
| CDTMF5 | 022E | CDTMV1 | 0218 | CDTMV2 | 021A | CDTMV3 | 021C |
| CDTMV4 | 021E | CDTMV5 | 0220 | CH | 02FC | CH1 | 02F2 |
| CHACT | 02F3 | CHACTL | D401 | CHAR | 02FA | CHBAS | 02F4 |
| CHBASE | D409 | CHKERR | 00BF | CHKLOC | 4000 | CHKSNT | 003B |
| CHKSUM | 0031 | CHLINK | 03FB | CIOCHR | 002F | CKEY | 03E9 |
| CLOBE | 000C | CLS | 007D | CNTL1 | 009F | CNTLF2 | 00B4 |
| COLAC | 0072 | COLBK | D01A | COLCRS | 0055 | COLDST | 0244 |
| COLINC | 02F9 | COLOR0 | 02C4 | COLOR1 | 02C5 | COLOR2 | 02C6 |
| COLOR3 | 02C7 | COLOR4 | 02C8 | COLPFO | D016 | COLPF1 | D017 |
| COLPF2 | D018 | COLPF3 | D019 | COLPM0 | D012 | COLPM1 | D013 |
| COLPM2 | D014 | COLPM3 | D015 | COLRSH | 004F | COMPLT | 0043 |
| CONROL | D01F | COUNTR | 007E | CR | 009B | CRETRI | 000D |
| CRETRY | 029C | CRITIC | 0042 | CRSINH | 02F0 | CRSROR | 00BD |
| CTIA | 0000 | CTIMHI | 0000 | CTIMLO | 0002 | DAUX1 | 030A |
| DAUX2 | 030B | DBSECT | 0241 | DBUFHI | 0305 | DBUFL0 | 0304 |
| DBUFSZ | 0014 | DBYTHI | 0309 | DBYTLO | 0308 | DCB | 0300 |
| DDCMND | 0302 | DDEVIC | 0300 | DELETE | 0021 | DELTAC | 0077 |
| DELTAR | 0076 | DERROR | 0090 | DFLAGS | 0240 | DINDEX | 0057 |
| DIRECT | 0002 | DISK | 0044 | DISKID | 0031 | DISPLY | 0053 |
| DLISTH | D403 | DLISTL | D402 | DMACTL | D400 | DMASAV | 02DD |
| DMASK | 02A0 | DNACK | 00BB | DOMCHR | 00E0 | DOSINI | 000C |
| DDSEVC | 000A | DOUBLE | 0044 | DRAWLN | 0011 | DRETRI | 0001 |
| DRETRY | 02BD | DRKMSK | 004E | DSCTLN | 02D5 | DSCTSZ | 00B0 |
| DSKFMS | 0018 | DSKTIM | 0246 | DSKUTL | 001A | DSPFLG | 02FE |
| DSTAT | 004C | DSTATS | 0303 | DT1 | 00FA | DTA | 00FC |
| DTIMLO | D306 | DUNIT | 0301 | DUNUSE | 0307 | DVSTAT | 02EA |
| ENDPT | 0074 | ENTVEC | 002C | EOFERR | 00B8 | EOL | 009B |
| EOT | 00FE | ERRFLG | 023F | ERROR | 0045 | ESCFLG | 02A2 |
| FALSE | 0000 | FE0F | 003F | FILDAT | 02FD | FILFLG | 02B7 |
| FILLIN | 0012 | FINE | 03F9 | FKDEF | 0060 | FMSZPG | 0043 |
| FNCNOT | 0092 | FORMAT | 0021 | FORMAT | 0022 | FREQ | 0040 |
| FRMADR | 0058 | FRMERR | 00BC | FTYPE | 003E | GBYTEA | 02CF |
| GETCHR | 0007 | GETDAT | 0040 | GETREC | 0005 | GINTLK | 03EC |
| GPRIOR | 026F | GRACTL | D01D | GRAFM | D011 | GRAFFO | D00D |

| | | | | | | | |
|--------|------|---------|------|--------|--------|--------|------|
| GRAFF1 | D00E | GRAFF2 | D00F | GRAFF3 | D010 | HATAB5 | 001A |
| HGR | D0FB | HELP | 0011 | HELPPG | 02DC | HIBYTE | 02BB |
| HITCLR | D01E | HITONE | 0005 | HIVED | 02CB | HNDL0D | 02E7 |
| HOLD1 | 0051 | HOLD2 | 02FF | HOLD3 | 029D | HOLD4 | 02B4 |
| HOLDGH | 007C | HPDSM0 | D004 | HPDSM1 | D005 | HPDSM2 | D006 |
| HPDSM3 | D007 | HPDSP0 | D000 | HPDSP1 | D001 | HPDSP2 | D002 |
| HPDSP3 | D003 | HSCROL | D404 | ICAX1 | 034A | ICAX1Z | 002A |
| ICAX2 | 034B | ICAX2Z | 002B | ICBAH | 0345 | ICBAHZ | 0025 |
| ICBAL | 0344 | ICBALZ | 0024 | ICBLH | 0349 | ICBLHZ | 0029 |
| ICBLL | 0348 | ICBL LZ | 002B | ICCOM | 0342 | ICCOMT | 0017 |
| ICCOMZ | 0022 | ICDNO | 0341 | ICDNOZ | 0021 | ICHID | 0340 |
| ICHIDZ | 0020 | ICIDNO | 002E | ICPTH | 0347 | ICPTHZ | 0027 |
| ICPTL | 0346 | ICPTLZ | 0026 | ICSPR | 034C | ICSPRZ | 002C |
| ICSTA | 0343 | ICSTAZ | 0023 | IMASK | 028B | INIMLH | 0007 |
| INIMLL | 0000 | INSCLR | 0020 | INSDAT | 007D | INTABS | 0200 |
| INTCHR | 00CC | INTEMP | 022D | INTZBB | 0010 | INVFLG | 02B6 |
| IOCB | 0340 | IOCBAS | 0020 | IOCBSZ | 0010 | IOCFRE | 00FF |
| IRQEN | D20E | IRGST | D20E | JMPERS | 030E | JVECK | 028C |
| KBCODE | D209 | KBD | 004B | KEYDEF | 0079 | KEYDEL | 02F1 |
| KEYDIS | 03F8 | KEYREP | 02DA | KRPDEL | 02D9 | LCOUNT | 0233 |
| LEDGE | D002 | LINBUF | 0247 | LMARGN | 0052 | LNBUG | 0001 |
| LNFLG | 0000 | LNIRQ | 6033 | LNNMI | 8351 | LOADAD | 02D1 |
| LOCKFL | 0023 | LOGCOL | 0063 | LOGMAP | 02B2 | LOTONE | 0007 |
| LPENH | 0234 | LPENV | 0235 | LTEMP | 0036 | MOPF | D000 |
| MDPL | D00B | M1PF | D001 | M1PL | D009 | M2PF | D002 |
| M2PL | D00A | M3PF | D003 | M3PL | D00B | MAXDEV | 0021 |
| MAXIDC | 0080 | MEMLO | 02E7 | MEMORY | M 0000 | MEMTOP | 02E5 |
| MINTLK | 03EB | MLTTMP | 0066 | MOTRGD | 0034 | MOTRST | 003C |
| MWDMOD | 0010 | NACK | 004E | NARG | 0000 | NBUFSZ | 002B |
| NCOMHI | 003C | NCOMLO | 0034 | NEWADR | 028E | NEWCOL | 02F6 |
| NEWROW | 02F5 | NGFLAG | 0001 | NMIEN | D40E | NMIRES | D40F |
| NMIST | D40F | NOCKSM | 003C | NOCLIK | 02DB | NDDAT | 0000 |
| NONDEV | 0082 | NORMAL | 004E | NOTE | 0026 | NOTOPN | 00B5 |
| NVALID | 00B4 | OLDADR | 005E | OLDCHR | 005D | OLDCOL | 005B |
| OLDPAR | 02CF | OLDROW | 005A | OPEN | 0003 | OPNIN | 0004 |
| OPNINO | 000C | OPNDT | 000B | OPNTMP | 0066 | OVRRUN | 008E |
| POPF | D004 | POPL | D00C | P1PF | D005 | P1PL | D00D |
| P2PF | D006 | P2PL | D00E | P3PF | D007 | P3PL | D00F |
| PACTL | D302 | PADDL0 | 0270 | PADDL1 | 0271 | PADDL2 | 0272 |
| PADDL3 | 0273 | PADDL4 | 0274 | PADDL5 | 0275 | PADDL6 | 0276 |
| PADDL7 | 0277 | PAL | D014 | PALNTS | 0062 | PARMBL | 02C9 |
| PBCTL | D303 | PBPNT | 02DE | PBUFSZ | 02DF | PCOLRO | 02C0 |
| PCOLR1 | 02C1 | PCOLR2 | 02C2 | PCOLR3 | 02C3 | PDEVN | 0040 |
| PENH | D40C | PENV | D40D | PIA | D300 | PLOT | 0050 |
| PMBASE | D407 | POINT | 0025 | POKEY | D200 | POKMSK | 0010 |
| PORTA | D300 | PORTB | D301 | POT0 | D200 | POT1 | D201 |
| POT2 | D202 | POT3 | D203 | POT4 | D204 | POT5 | D205 |
| POT6 | D206 | POT7 | D207 | POTGD | D20B | PRINTR | 0050 |
| PRIOR | D01B | PRNBUF | 03C0 | PRVOPN | 00B1 | PTIMOT | 0314 |
| PTRIG0 | 027C | PTRIG1 | 027D | PTRIG2 | 027E | PTRIG3 | 027F |
| PTRIG4 | 0280 | PTRIG5 | 0281 | PTRIG6 | 0282 | PTRIG7 | 0283 |
| PUPBT1 | 033D | PUPBT2 | 033E | PUPBT3 | 033F | PUPVL1 | 005C |
| PUPVL2 | 0093 | PUPVL3 | 0025 | PUTCHR | 000B | PUTDAT | 00B0 |
| PUTREC | 0009 | PUTSEC | 0050 | RAMLO | 0004 | RAMSIZ | 02E4 |

| | | | | | | | |
|--------|------|---------|--------|--------|------|---------|------|
| RAMSYS | 0001 | RANTOP | 006A | RANDON | D20A | RDONLY | 00B7 |
| READ | 0052 | RECLEN | 0243 | RECVBW | 0039 | REDGE | 0027 |
| RELADR | 0238 | RENARE | 0020 | RIRGHI | 0000 | RIRGLM | 007E |
| RIRGLP | 0064 | RLEADN | 0240 | RLEADP | 01E0 | RMAREN | 0033 |
| ROWAC | 0070 | ROWCRS | 0054 | ROWINC | 02F9 | RSIRGN | 000A |
| RSIRGP | 0006 | RTCLDA | 0012 | RUNADR | 02C9 | SAVADR | 0048 |
| SAVIO | 031a | SAVMSB | 0058 | SBUFS2 | 0010 | SCREDIT | 0045 |
| SCRFLG | 028B | SCRMEM | 0093 | SDL5TH | 0231 | SDLSTL | 0230 |
| SDMCTL | 002F | SERIN | D20D | SEQOUT | D20D | SEX | 0000 |
| SHFAMT | 006F | SHFLOK | 028E | SIDWAY | 0053 | SIZEM | D00C |
| SIEEP0 | D008 | SIZEP1 | D009 | SIZEP2 | D00A | SIZEP3 | D00B |
| SMCTL | 020F | SKRES | D20A | SKSTAT | D20F | SOUNDR | 0041 |
| SPACE | 0020 | SPECIL | D00E | SRTIMR | 022B | SSFLAG | 02FF |
| SSMCTL | 0232 | STACK | S 0000 | STACKP | 0318 | STATC | 0053 |
| STATIS | 000D | STATUS | 0030 | STICK0 | 0278 | STICK1 | 0279 |
| STICK2 | 027A | STICK3 | 027B | STIMER | D209 | STORG | 5000 |
| STRIG0 | 0284 | STRIG1 | 0285 | STRIG2 | 0286 | STRIG3 | 0287 |
| SURTMP | 029E | SUCCESS | 0001 | SUPERF | 03E8 | SWPFLG | 007B |
| TABMAP | 02A3 | TEMP | 023E | TEMP1 | 0312 | TEMP2 | 0313 |
| TEMP3 | 0315 | TIMER1 | 030C | TIMER2 | 0310 | TIMFLG | 0317 |
| TIMOUT | 008A | TINDEX | 0293 | TMPCHR | 0050 | TMPCOL | 02B9 |
| TMPLBT | 02A1 | TMPROW | 0288 | TOADR | 0066 | TONE1 | 0002 |
| TONE2 | 0001 | TRAMSZ | 0006 | TRIGO | D010 | TRIG1 | D011 |
| TRIG2 | D012 | TRIG3 | D013 | TRNRCD | 0089 | TRUE | 0001 |
| TSTAT | 0319 | TSTDAT | 0007 | TXTCOL | 0291 | TXTMSC | 0294 |
| TXTCOL | 0296 | XTROW | 0290 | UNLOCK | 0024 | USAREA | 0480 |
| VBREAK | 0206 | VCOUNT | D40B | VDELAY | D01C | VDSLST | 0200 |
| VMIRG | 0216 | VINTER | 0204 | VKEYBD | 020B | VPRCED | 0202 |
| VSCROL | D405 | VSERIN | 020A | VSEROC | 020E | VSEROR | 020C |
| VFLAG | 03F7 | VTIMR1 | 0210 | VTIMR2 | 0212 | VTIMR4 | 0214 |
| VVBLKD | 0224 | VVBLKI | 0222 | WARMST | 0008 | WIRGHI | 0000 |
| WIRGLN | 00B4 | WIRGLP | 0096 | WLEADN | 0480 | WLEADP | 03C0 |
| WMODE | 0289 | WRITE | 0057 | WRONLY | 0083 | WSIRGN | 000F |
| WSIRGP | 000D | WSYNC | D40A | XMTDON | 003A | ZCHAIN | 004A |
| ZHIOSE | 02CD | ZIOCB | 0020 | ZLOADA | 02D3 | | |